EUROPEAN JOURNAL OF PHARMACOLOGY

Volume 301, Nos. 1–3 CONTENTS 22 April 1996

*Cited in: Biological Abstracts – Chemical Abstracts – Current Contents/Life Sciences – Excerpta Medica (EMBASE) – Index Medicus – Pascal M – Reference Update – Unlisted Drugs – Current Awareness in Biological Sciences (CABS)*

## BEHAVIORAL PHARMACOLOGY

**Nicotine cue: lack of effect of the α7 nicotinic receptor antagonist methyllycaconitine**
J.D. Brioni, D.J.B. Kim and A.B. O'Neill 1

**Glutamate receptor agonist injections into the dorsal striatum cause contralateral turning in the rat: involvement of kainate and AMPA receptors**
I.D. Smith, M.J. Todd and R.J. Beninger 7

**Antisense to the glucocorticoid receptor in hippocampal dentate gyrus reduces immobility in forced swim test**
S.M. Korte, E.R. De Kloet, B. Buwalda, S.D. Bouman and B. Bohus 19

**Normethylclozapine potentiates the action of quinpirole in the 6-hydroxydopamine lesioned rat**
S. Fox and J. Brotchie 27

## NEUROPHARMACOLOGY AND ANALGESIA

**Dissociation of the motor effects of (+)-pentazocine from binding to $\sigma_1$ sites**
R.R. Matsumoto, W.D. Bowen, J.M. Walker, S.L. Patrick, A.C. Zambon, V.N. Vo, D.D. Truong, B.R. De Costa and K.C. Rice 31

**Contribution of peripheral $\alpha_{1A}$-adrenoceptors to pain induced by formalin or by α-methyl-5-hydroxytryptamine plus noradrenaline**
Y. Hong and F.V. Abbott 41

**Focal ethanol elevates extracellular dopamine and serotonin concentrations in the rat ventral tegmental area**
Q.-S. Yan, M.E.A. Reith, P.C. Jobe and J.W. Dailey 49

**In vitro effects of toxogonin, HI-6 and HLö-7 on the release of [$^3$H]acetylcholine from peripheral cholinergic nerves in rat airway smooth muscle**
P. Aas 59

**Effects of the antiparkinsonian drug budipine on central neurotransmitter systems**
T. Klockgether, U. Wüllner, J.P. Steinbach, V. Petersen, L. Turski and P.-A. Löschmann 67

**A role for central cannabinoid and opioid systems in peripheral $\Delta^9$-tetrahydrocannabinol-induced analgesia in mice**
I. Reche, J.A. Fuentes and M. Ruiz-Gayo 75

**Tolerance to the ataxic effects of diazepam in guinea pig is not associated with a reduced sensitivity of $GABA_A$ receptors in the vestibular nucleus**
M.A. Hutchinson, P.F. Smith and C.L. Darlington 83

**The prejunctional inhibitory effect of suramin on neuromuscular transmission in vitro**
R.H. Henning, E.G. Rowan, M.F.M. Braga, A. Nelemans and A.L. Harvey 91

## CARDIOVASCULAR PHARMACOLOGY

**In vitro assessment for vascular selectivity of a new dihydropyridine derivative, NB-818**
Y. Hattori, M. Fukao, H. Houzen, F. Qi, Y. Yamada and M. Kanno 99

**In vivo characterisation of ZM 241385, a selective adenosine $A_{2A}$ receptor antagonist**
J.R. Keddie, S.M. Poucher, G.R. Shaw, R. Brooks and M.G. Collis 107

**Modulation of the contractility of guinea pig papillary muscle by the activation of ATP-sensitive $K^+$ channels**
I. Kocić 115

**Mechanisms of desensitization of vasodilatation induced by platelet-activating factor in hypertensive rats**
K. Kamata, T. Numazawa and Y. Kasuya 121

## PULMONARY, GASTROINTESTINAL AND UROGENITAL PHARMACOLOGY

**Modulation of peristalsis by neurotensin in isolated guinea-pig intestinal segments**
H. Ohashi, K. Tanaka, N. Kiuchi, T. Unno and S. Komori 129

**$N^G$-Nitro-L-arginine methyl ester reduces senna- and cascara-induced diarrhoea and fluid secretion in the rat**
A.A. Izzo, T.S. Gaginella, N. Mascolo, F. Borrelli and F. Capasso 137

**Involvement of dopamine $D_3$ receptors in the area postrema in *R*(+)-7-OH-DPAT-induced emesis in the ferret**
T. Yoshikawa, N. Yoshida and K. Hosoki 143

*contents continued on page 3 of cover*

0014-2999(19960422)301:1-3;1-T

Access to Internet means access to Elsevier Science Tables of Contents. Enter either via Elsevier Science Homepage: http://www.elsevier.nl or directly in the Table of Contents: http://www.elsevier.nl/locate/estoc

*Contents continued*

## IMMUNOPHARMACOLOGY AND INFLAMMATION

**Investigation of 6-hydroxydopamine-induced plasma extravasation in rat skin**
H. Cambridge, M.N. Ajuebor and S.D. Brain 151

## MOLECULAR AND CELLULAR PHARMACOLOGY

**2-[$^{125}$I]Iodo-5-methoxycarbonylamino-*N*-acetyltryptamine: a selective radioligand for the characterization of melatonin $ML_2$ binding sites**
E.J. Molinari, P.C. North and M.L. Dubocovich 159

**Antiprogestins inhibit the binding of opioids to $\mu$-opioid receptors in nervous membrane preparations**
R. Maggi, F. Pimpinelli, L.A. Casulari, F. Piva and L. Martini 169

**Role of peroxynitrite in [$^3$H]γ-aminobutyric acid release evoked by nitric oxide and its mechanism**
S. Ohkuma, M. Katsura, J.-L. Guo, H. Narihara, T. Hasegawa and K. Kuriyama 179

**Pharmacological characterisation of $Ca^{2+}$ channels of the L-type in human peripheral blood lymphocytes**
A. Ricci, A. Bisetti, E. Bronzetti, L. Felici, F. Ferrante, F. Veglio and F. Amenta 189

**Complex ionic control of [$^3$H]GBR 12783 binding to the dopamine neuronal carrier**
C. Héron, G. Billaud, J. Costentin and J.-J. Bonnet 195

**3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor impairs cell differentiation in cultured adipogenic cells (3T3-L1)**
E. Nishio, K. Tomiyama, H. Nakata and Y. Watanabe 203

**Interaction of allosteric ligands with $GABA_A$ receptors containing one, two, or three different subunits**
J. Zezula, A. Slany and W. Sieghart 207

## RAPID COMMUNICATIONS

**Brain $\sigma$ receptors labelled by [$^3$H]nemonapride**
D. Helmeste, S.W. Tang, H. Fang and M. Li R1

**Exquisite delineation of 5-$HT_{1A}$ receptors in human brain with PET and [*carbonyl*-$^{11}$C]WAY-100635**
V.W. Pike, J.A. McCarron, A.A. Lammertsma, S. Osman, S.P. Hume, P.A. Sargent, C.J. Bench, I.A. Cliffe, A. Fletcher and P.M. Grasby R5

**Repeated naltrexone administration accelerates resolution of morphine somatic withdrawal signs in morphine-dependent rats**
A.L. Muntoni, M. Diana and G.L. Gessa R9

**Affinities and intrinsic activities of dopamine receptor agonists for the $hD_{2l}$ and $hD_{4.4}$ receptors**
R.A. Lahti, A. Mutin, E.V. Cochrane, P.G. Tepper, D. Dijkstra, H. Wikström and C.A. Tamminga R11

**Reduced long-term potentiation in the dentate gyrus of $mGlu_1$ receptor-mutant mice in vivo**
F. Bordi R15

**Impaired nitrergic relaxation of the sphincter of Oddi of hyperlipidaemic rabbits**
Z. Szilvassy, I. Nagy, J. Szilvassy, I. Jakab, S. Csati and J. Lonovics R17

**Imidazoline binding sites in Huntington's and Parkinson's disease putamen**
G.P. Reynolds, R.M. Boulton, S.J. Pearson, A.L. Hudson and D.J. Nutt R19

*Author index* 215

*Keyword index* 217